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INFORMATION DISCLOSURE
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(Use as many sheets as necessary)

Sheet	1	of	2

Complete if Known					
Application Number	10/531,367				
Filing Date	04-13-2005 371(c) Date				
First Named Inventor	Avto TAVKHELIDZE				
Art Unit	2812				
Examiner Name					
Attorney Docket Number	12090 GB PCT US				

			U. S. PATEN	DOCUMENTS		
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (if known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US- C 214 CE1 D1	04-10-2001	Cox		
	ļ	<sup>US-</sup> 6,214,651-B1				
		<sup>US-</sup> 6,309,580-B1	10-30-2001	Chou		
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Examiner Cite Initials* No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
	Country Code <sup>3 -</sup> Number <sup>4 -</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	
	WO-2003/083177-A3	10-09-2003	Tavkhelidze		
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Substitute for form 1449/PTO		Complete if Known			
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			CLOSURE	Filing Date	04-13-2005 371(c) Date
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Avto TAVKHELIDZE
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		3010 40 77		Examiner Name	
Sheet	2	of	2	Attorney Docket Number	12090.GB.PCT.US

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		LEON N. COOPER, "Bound Electron Pairs in Degenerate Fermi Gas", Physical Review, November 15, 1956, Pages 1189-1190, Volume 104, Number 4.	
		BARDEEN et al., "Theory of Superconductivity", Physical Review, December 1, 1957, Pages 1175-1204, Volume 108, Number 5.	
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